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| Form PTO-1449<br>(REV 8-83)   | DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | SERIAL NO. Not Yet<br>Assigned | ATTY DOCKET NO.<br>MP0085       |
| INFORMATION DISCLOSURE CITATION<br>(USE SEVERAL SHEETS IF NECESSARY)<br>PAGE 1 OF 2 |   | APPLICANT<br>Oberg, Mats       |                                 |
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| U.S. PATENT DOCUMENTS |                 |          |                    |       |              |                |
|-----------------------|-----------------|----------|--------------------|-------|--------------|----------------|
| E.I.                  | DOCUMENT NUMBER | DATE     | NAME               | CLASS | SUBCLAS<br>S | FILING<br>DATE |
| H/W                   | AA 6184806      | 2/6/01   | Patapoutian et al. |       |              | 3/13/98        |
| H/W                   | AB 6097320      | 8/1/00   | Kuki et al.        |       |              | 1/20/98        |
| H/W                   | AC 6046691      | 4/4/00   | Aziz et al.        |       |              | 4/13/98        |
| H/W                   | AD 6018304      | 1/25/00  | Bessios            |       |              | 3/23/98        |
| H/W                   | AE 5757822      | 5/26/98  | Fisher et al.      |       |              | 8/24/94        |
| H/W                   | AF 5636933      | 6/3/97   | Fitzpatrick et al. |       |              | 1/30/95        |
| H/W                   | AG 5396239      | 3/7/95   | McMahon et al.     |       |              | 7/2/92         |
| H/W                   | AH 5144304      | 9/1/92   | McMahon et al.     |       |              | 9/10/91        |
| H/W                   | AI 4675650      | 6/23/87  | Coppersmith et al. |       |              | 4/22/95        |
| H/W                   | AJ 4888779      | 12/19/89 | Karabed et al.     |       |              | 3/18/88        |
| H/W                   | AK 5537424      | 7/16/96  | Karabed et al.     |       |              | 8/12/94        |

| FOREIGN PATENT DOCUMENTS |                 |         |         |       |              |                  |
|--------------------------|-----------------|---------|---------|-------|--------------|------------------|
| E.I.                     | DOCUMENT NUMBER | DATE    | COUNTRY | CLASS | SUBCLAS<br>S | TRANS-<br>LATION |
| H/W                      | AL EP1058432 A2 | 6/12/00 | US      |       |              | n/a              |
|                          | AM              |         |         |       |              |                  |
|                          | AN              |         |         |       |              |                  |
|                          | AO              |         |         |       |              |                  |
|                          | AP              |         |         |       |              |                  |
|                          | AQ              |         |         |       |              |                  |

| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |                   |   |
|--|-------------------|---|
| H/W  | AR                | Nan-Hslung Yeh, "Equivalence of Signal Processing in Perpendicular and Longitudinal Recordings" Digests of PMRC 2000, The Fifth Perpendicular Magnetic Recording Conference, (Sendai, Japan) October 23-26, 2000, page 231. |
|  | AS                |   |
|  | AT                |   |
| EXAMINER   | David L. Williams |   |
|  | DATE CONSIDERED   | 1/14/03   |

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